

Marine Iguana

I. Characteristics of Living Things

- A. Made of cells
- B. Obtain and use energy
 - 1. energy from sun
 - 2. food: red and green algae
 - 3. Own feces, crab and sea lion feces
- C. Growth and Development
 - 1. 10 cm long at birth
 - 2. Grow to 75 cm to 1.3 m
- D. Respond to Environment
 - Change in temperature - stimulus
 - Bask in sun to warm up - response
- E. Reproduction
 - 1. mating - December to January
 - 2. egg laying - March to April
 - 3. incubation - three to four months
- F. Adaptations
 - 1. bask in sun to raise body temperature
 - 2. feed in the water
 - 3. uses tail to swim
 - 4. feet to grip rocks
 - 5. spit brine out of nostrils to get rid of salt
 - 6. can remain submerged for 10 mins or more

II. Needs of Living Things

- A. Obtaining Energy - heat energy from the sun, varies its position in relation to the sun to avoid overheating.
- B. Food
 - 1. red and green algae from rocks on the ocean floor
 - 2. eats own feces and that of sea lions and Sally Lightfoot crabs
- C. Water - spit out salt water from nostrils
- D. Temperature
 - Ectothermic-body temp lowers in ocean and goes up when basking in the sun.
- E. Gas exchange - breath oxygen from the air and exhale carbon dioxide
- F. Living Space - on the lava rocks along the shore